

INVS PM Series

Solar Energy Storage Inverter

1-5KVA

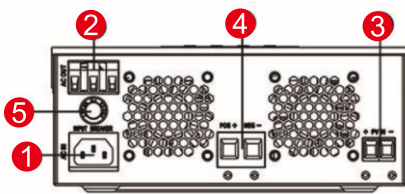


Product Snapshot

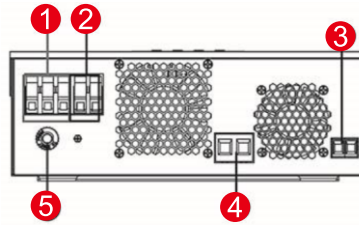
Model: 1-5kW

Nominal Voltage: 230VAC

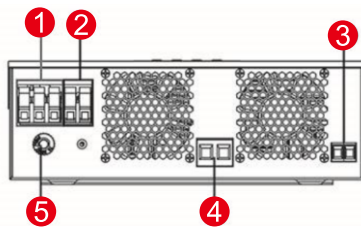
Frequency Range: 50Hz/60Hz



1KVA/2KVA



3KVA



3KVA/5KVA

- 1 AC input
- 2 AC output
- 3 PV input
- 4 Battery input
- 5 Circuit breaker

Key Features:

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional anti-dusk kit

INVS PM Series

Wall Mounted Integrated Solar Power Inverter Technical Specification Built-in MPPT/PWM Solar Controller

MODEL	INVS P 1000-12	INVS M 1200-12	INVS P 2000-24	INVS M 2200-24	INVS P 3000-24	INVS M 3200-24	INVS P 5000-48	INVS M 5000-48
Rated Power	1000VA/1000W	1200VA/1200W	2000VA/2000W	2200VA/2200W	3000VA/3000W	3200VA/3200W	5000VA / 5000W	
INPUT								
Voltage	230 VAC							
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)							
Frequency Range	50 Hz/60 Hz (Auto sensing)							
OUTPUT								
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%							
Surge Power	2000VA	4000VA			6000VA		10000VA	
Efficiency (Peak)	90% ~ 93%							
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)							
Waveform	Pure sine wave							
BATTERY								
Battery Voltage	12 VDC	24 VDC				48 VDC		
Floating Charge Voltage	13.5 VDC	27 VDC				54 VDC		
Overcharge Protection	16 VDC	31 VDC			33 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER								
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	105 VDC	145 VDC
Maximum PV Array Power	600 W	700 W	1200 W	1400 W	1200 W	1800 W	2400 W	3000 W
MPPT Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30~80 VDC	N/A	60~115 VDC
Maximum Solar Charge Current	50 A	50 A	50 A	50 A	50 A	65 A	50 A	65 A
Maximum AC Charge Current	20 A	20 A	20 A	20 A	25A	25A	60 A	60 A
Maximum Charge Current	50 A	60 A	50 A	60 A	70 A	80 A	110 A	120 A
PHYSICAL								
Dimension, D x W x H (mm)	88 x 225 x 320	103 x 225 x 320	88 x 225 x 320	103 x 245 x 330	100 x 285 x 334	118.3 x 285 x 360.4	100 x 300 x 440	100 x 302 x 440
Net Weight (kgs)	4.4	4.4	5	5	6.3	6.5	8.5	9.7
Communication Interface	USB/RS232							
ENVIRONMENT								
Humidity	5% to 95% Relative Humidity (Non-condensing)							
Operating Temperature	-10°C to 50°C							
Storage Temperature	-15°C to 60°C							

Note:Product specifications are subject to change without further notice.